

(C) WPI / DERWENT

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CPY - SHAN-N

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IC - A61K38/52 ; C07K14/47 ; C07K16/40 ; C12N9/90 ; C12N15/61 ; C12N15/63 ;
C12Q1/533 ; C12Q1/68

IN - MAO Y; XIE Y

MC - B04-C01G B04-E03E B04-E05 B04-E06 B04-E08 B04-F0100E B04-G03
B04-L0700E B04-M01 B04-N02A0E B11-C08 B11-C08E3 B11-C08E5 B12-K04A
B12-K04E B12-K04F B14-A02B1 B14-C03 B14-D03 B14-D09 B14-F02 B14-F08
B14-G03 B14-H01 B14-S03 B14-S11 D05-C03F D05-H09 D05-H11 D05-H12A
D05-H12D1 D05-H12D2 D05-H12E D05-H14 D05-H17A3

M1 - [01] M423 M710 M905 N135 N136 Q233; RA00GT-N

- [02] M423 M710 M905 Q233; RA00C8-N

- [03] M423 M710 M720 M750 M781 M905 N102 N135 N136 N161 P210 P420 P433
P434 P520 P633 P815 P831 Q233 Q505; RA00H1-T RA00H1-A RA00H1-D
RA00H1-N RA00H1-P- [04] M423 M710 M720 M750 M781 M905 N102 N135 N136 N161 P210 P420 P433
P434 P520 P633 P815 P831 Q233 Q505; RA00H3-T RA00H3-A RA00H3-D
RA00H3-N RA00H3-P- [05] M423 M710 M720 M750 M781 M905 N102 N135 N136 N161 P210 P420 P433
P434 P520 P633 P815 P831 Q233 Q505; RA2UAN-T RA2UAN-A RA2UAN-D
RA2UAN-N RA2UAN-P- [06] M423 M710 M720 M750 M781 M905 N102 N135 N136 N161 P210 P420 P433
P434 P520 P633 P815 P831 Q233 Q505; RA00GC-T RA00GC-A RA00GC-D
RA00GC-N RA00GC-P- [07] M423 M710 M750 M781 M905 N102 N134 N135 N136 N161 P210 P420 P433
P434 P520 P633 P815 P831 Q233 Q505; RA00NS-T RA00NS-A RA00NS-D RA00NS-N- [08] M423 M710 M750 M781 M905 N102 N134 N135 N136 N161 P210 P420 P433
P434 P520 P633 P815 P831 Q233 Q505; RA012P-T RA012P-A RA012P-D RA012P-NM6 - [09] M905 P210 P420 P433 P434 P520 P633 P815 P831 Q233 Q505 R515 R521
R627 R632 R633 R639

PA - (SHAN-N) SHANGHAI BIOWINDOW GENE DEV INC

- (SHAN-N) SHANGHAI BODE GENE DEV CO LTD

PN - AU200172301 A 20011126 DW200222 C12N15/61 000pp

- WO0188158 A1 20011122 DW200205 C12N15/61 Chn 029pp

- CN1322839 A 20011121 DW200218 C12N15/61 000pp

PR - CN20000115647 20000509

XA - C2002-011945

XIC - A61K-038/52 ; C07K-014/47 ; C07K-016/40 ; C12N-009/90 ; C12N-015/61 ;
C12N-015/63 ; C12Q-001/533 ; C12Q-001/68AB - WO200188158 NOVELTY - An isolated polypeptide (I) of Human
Triose-Phosphate Isomerase 10 containing a 90 residue amino acid
sequence (S1), fully defined in the specification, or its fragment,
analog or derivative, is new.- DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:

- (1) an isolated polynucleotide (II):

- (a) encoding (S1), or its fragment, analog or derivative;

- (b) complementary to (a); or

- (c) not less than 70 % homologous to (a) or (b);

- (2) a recombinant vector (III) containing an exogenous polynucleotide
constructed from (II) and a plasmid, virus vector-expressing vector;

- (3) a genetically-modified host cell (IV) comprising (II) or (III);
- (4) producing (I) by culturing (IV) before isolating the product;
- (5) an antibody that specifically binds (I);
- (6) mimics or regulators of (I) activity or expression, preferably compounds that can mimic, promote, antagonize or inhibit Human Triose-Phosphate Isomerase 10;
- (7) using the compounds of (6) for regulating (I) in vivo or in vitro;
- (8) detecting diseases relating to the novel polypeptide or disease susceptibility, by measuring the expression dose of (I), determining (I) activity, or detecting (I) expression dose caused by the polynucleotide that has abnormal activity due to a (II) mutation;
- (9) using (I) for screening mimics, agonists, antagonists or inhibitors, or for use in peptide fingerprinting identification;
- (10) using (II) as a primer for nucleic acid amplification reaction or as a probe for hybridization reaction, or in producing gene chips or microarrays; and
- (11) drug compositions for diseases relating to the (I) containing (I), (II), or mimics, agonists, antagonists, or inhibitors and their preparation in safe amounts with pharmaceutically-acceptable carrier, which can be used as diagnostics as well.
- ACTIVITY - Cytostatic; hemostatic; virucide; immunomodulatory; antiinflammatory.
- No biological data is given.
- MECHANISM OF ACTION - Gene therapy.
- USE - (I) and (II) are used in diagnosis and treatment of malignant tumor, hemopathy, human immunodeficiency virus (HIV) infection, immunological diseases and various inflammations (claimed).
- (Dwg.0/2)

CN - RA00GT-N RA00C8-N RA00H1-T RA00H1-A RA00H1-D RA00H1-N RA00H1-P RA00H3-T RA00H3-A RA00H3-D RA00H3-N RA00H3-P RA2UAN-T RA2UAN-A RA2UAN-D RA2UAN-N RA2UAN-P RA00GC-T RA00GC-A RA00GC-D RA00GC-N RA00GC-P RA00NS-T RA00NS-A RA00NS-D RA00NS-N RA012P-T RA012P-A RA012P-D RA012P-N

DN - AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

IW - HUMAN TRIOSE PHOSPHATE ISOMERASE ENCODE POLYNUCLEOTIDE DIAGNOSE TREAT

MALIGNANT HUMAN IMMUNODEFICIENCY VIRUS INFECT IMMUNOLOGICAL DISEASE INFLAMMATION

IKW - HUMAN TRIOSE PHOSPHATE ISOMERASE ENCODE POLYNUCLEOTIDE DIAGNOSE TREAT

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INW - MAO Y; XIE Y

NC - 095

OPD - 2000-05-09

ORD - 2001-11-21

PAW - (SHAN-N) SHANGHAI BIOWINDOW GENE DEV INC
- (SHAN-N) SHANGHAI BODE GENE DEV CO LTD

TI - Human Triose-Phosphate Isomerase 10 and encoding polynucleotide, used in diagnosis and treatment of malignant tumors, hemopathy, human immunodeficiency virus infection, immunological diseases and inflammation

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